

Tennessee Valley Authority, Sequoyah Nuclear Plant, P.O. Box 2000, Soddy Daisy, TN 37384

May 17, 2022

ATTN: Document Control Desk U.S. Nuclear Regulatory Commission Washington, D.C. 20555-0001

Subject: Sequoyah Nuclear Plant, Discharge Monitoring Report (DMR), April 2022

Attached is the April 2022 DMR for Sequoyah Nuclear Plant.

Respectfully,

ZR ML

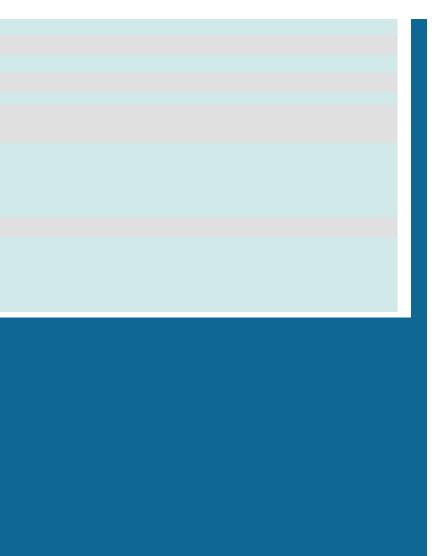
Travis R. Markum Environmental Scientist

| | - | | | | | | | | | | | | | | | | | | | | |
|------------------|--|---------------------------------|------------|-------------|----------------|------------------|----------------|-------------------|------------------------|------------------------------|------------------|----------------|--|-------------------|----|---|---|-----------------------------------|-------------------------|-------------|--|
| Permit | | | | | | | | | | | | | | | | | | | | | |
| Permit #: | TN0026 | 6450 | | | Pern | nittee: | | | Tenn | essee Valley | Authority (| TVA) | Facility: | | | TVA SEQUOYAH NUCLEAR | PLANT (S | SQN) | | | |
| Major: | Yes | | | | Pern | nittee Ad | dress: | | Sequ Sodd | oyah Access y Daisy, TN 3 | Road, PO 7379 | Box 2000 | Facility Lo | ocation: | | SEQUOYAH ACCESS ROAE SODDY DAISY, TN 37379 | SEQUOYAH ACCESS ROAD SODDY DAISY, TN 37379 | | | | |
| Permitted Fe | ature: 101 Externa | l Outfall | | | Disc | charge: | | | 101-0 (no de | G escription) | | | | | | | | | | | |
| Report Dates | | | | | 1 | | | | , | . , | | | | | | | | | | | |
| Monitoring P | eriod: From 0 | 4/01/22 to 04/30/22 | | | DMR | R Due Dat | te: | | 05/15 | 5/22 | | | Status: | | | NetDMR Validated | | | | | |
| Consideratio | ns for Form Completion | | | | | | | | | | | | | | | | | | | | |
| Primary discha | arge from Diffuser Pond. | | | | | | | | | | | | | | | | | | | | |
| Principal Exe | ecutive Officer | | | | | | | | | | | | | | | | | | | | |
| First Name: | Thomas | 3 | | | Title |): | | | Vice I | President | | | Telephone | e: | | 423-843-7001 | | | | | |
| Last Name: | Marsha | II | | | | | | | | | | | | | | | | | | | |
| No Data Indic | cator (NODI) | | | | | | | | | | | | | | | | | | | | |
| Form NODI: | | | | | | | | | | | | | | | | | | | | | |
| | Parameter | Monitoring | Location S | Season # | Param. NODI | | 0 117 | | antity or L | - | | 0.117 | | lity or Concen | | | | # of Frequency of Ex. Analysis | Sample Type | | |
| Code | Name | | | m | NODI | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier Va 2 | | | Units | EX. Analysis | | | |
| | | | | | | Sample | | | | | | | | | = | 33.8 | 04 - deg C | 99/99 - Continuous | RC - Recorder (auto) | | |
| 00010 Tem | perature, water deg. centigrade | 1 - Effluent | Gross | 0 | | Permit | | | | | | | | | | Reg Mon DAILY MX | 04 - deg | 99/99 - Continuous | RC - Recorder | | |
| | pointer of the ofference of the offerenc | | 0.000 | • | | Req. Value | | | | | | | | | | | С | | (auto) | | |
| | | | | | | NODI | | | | | | | | | | | | | | | |
| | | | | | | Sample | | | | | | | | | = | 21.4 | 04 - deg C | 99/99 - Continuous | CA - CALCTD | | |
| 00010 Tem | perature, water deg. centigrade | rade Z - Instream Monitoring | | | 0 | | Permit Req. | | | | | | | | | <= | 30.5 DAILY MX | 04 - deg C | 99/99 - Continuous | CA - CALCTD | |
| | | wormoring | | | | Value | | | | | | | | | | | 0 | | | | |
| | | | | | | NODI | | | | | | | | | | | 04 - deg | | | | |
| | | | | | | Sample | | | | | | | | | = | 2.5 | С | 99/99 - Continuous | CA - CALCTD | | |
| 00016 Tem | p. diff. between samp. & upstrm | deg. C 1 - Effluent | Gross | 1 | | Permit Req. | | | | | | | | | <= | 3.0 DAILY MX | 04 - deg C | 99/99 - Continuous | CA - CALCTD | | |
| | | | | | | Value | | | | | | | | | | | | | | | |
| | | | | | | NODI | - | 1750 5 | | 1701.0 | | | | | | | | 00/00 0 // | RC - Recorder | | |
| | | | | | | Sample | | 1750.5 | | 1764.2 | 03 - MGD | | | | | | | 99/99 - Continuous | (auto) | | |
| 50050 Flow | r, in conduit or thru treatment pl | ant 1 - Effluent | Gross | 0 | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | 99/99 - Continuous | RC - Recorder (auto) | | |
| | | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | | Sample | | | | | | | | | | | | | | | |
| | | | _ | | | Permit Req. | | | | | | <= (| 0.027 MO AVG | | <= | 0.047 DAILY MX | 19 - mg/L | 01/07 - Weekly | GR - GRAB | | |
| 50060 Chlo | orine, total residual | 1 - Effluent | Gross | 0 | | Value | | | | | | | | | | B - Below Detection Limit/No | | | | | |
| | | | | | | NODI | | | | | | | B - Below Detection Limit/No Detection | | | Detection | | | | | |
| | | | | | | Sample | | | = | 0.3 | 62 - deg C/hr | | | | | | | 99/99 - Continuous | CA - CALCTD | | |
| 82234 Tem | perature rate of change deg. C/ł | Z - Instream | n | 0 | | Permit | | | <= | 2.0 DAILY MX | 62 - deg C/hr | | | | | | | 99/99 - Continuous | | | |
| 02234 Tem | perature rate of change deg. Ch | Monitoring | | 0 | | Req. Value | | | ~- | 2.0 DAILT WIX | C/hr | | | | | | | 59/99 - Continuous | CA - CALCID | | |
| | | | | | | NODI | | | | | | | | | | | | | | | |
| | | | | | | Sample | | | | | | | | | | | | | | | |
| | Static Renewal 7 Day Chronic | 1 - Effluent | Gross | 0 | | Permit Req. | | | | | | > (| 69.0 MINIMUM | | | | 23 - % | 01/30 - Monthly | CP - COMPOS | | |
| Chro | ceriodaphnia | | | | | Value | | | | | | | 9 - Conditional Monitoring - Not Required | | | | | | | | |
| | | | | | | NODI | | | | | | | This Period | | | | | | | | |
| | | | | | | Sample Permit | | | | | | | | | | | 00 % | 04/00 14 11 | | | |
| | Static Renewal 7 Day Chronic Dimephales | 1 - Effluent | Gross | 0 | | Req. | | | | | | | 69.0 MINIMUM | | | | 23 - % | 01/30 - Monthly | CP - COMPOS | | |
| Chrp | aniepilaies | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | |
| Submission | | | | | | RODI | | | | | | | | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. Edit Check Errors

| No errors. | | |
|---|--------------------------------------|--|
| Comments | | |
| Method Detection Limit for Total Residual Chlor | prine is 0.05 mg/L. | |
| Attachments | | |
| No attachments. | | |
| Report Last Saved By | | |
| Tennessee Valley Authority (TVA) | | |
| User: | TRMARKUM | |
| Name: | Travis Markum | |
| E-Mail: | trmarkum@tva.gov | |
| Date/Time: | 2022-05-12 11:31 (Time Zone: -05:00) | |
| Report Last Signed By | | |
| User: | TMCMUTUA | |
| Name: | Tony McMutuary | |
| E-Mail: | tmcmutuary@tva.gov | |
| Date/Time: | 2022-05-13 06:23 (Time Zone: -05:00) | |
| | | |



| Permit | | | | | | | | | | | | | | | | | | | | | |
|----------|------------------------------------|------------------------|--------------------------------|----------|--------------|-----------------------|-------------|--|-------------|------------------|----------|-------------|--------------------|-------------|----------------|-------------|---|--------------------|--------------------------------|----------------|------------------|
| Permit | #: | TN0026450 | | Permi | ttee: | | Ter | nessee Valley | Authority | (TVA) | | | Facility: | | | TVA SEQ | UOYAH NUCL | EAR PLA | NT (SQN) | | |
| Major: | | Yes | | Permi | | | | Sequoyah Access Road, PO Box 2000 Soddy Daisy, TN 37379 | | | | | | | | | SEQUOYAH ACCESS ROAD SODDY DAISY, TN 37379 | | | | |
| Permit | ed Feature: | 103 Internal Outfal | I | Disch | Discharge: | | | 103-G (no description) | | | | | | | | | | | | | |
| Report | Dates & Status | | | | | | | | | | | | | | | | | | | | |
| Monito | ring Period: | From 04/01/22 | 2 to 04/30/22 | DMR | Due Date: | | 05/ | 15/22 | | | | | Status: | | | NetDMR | Validated | | | | |
| Consid | erations for Form Comp | oletion | | | | | | | | | | | 1 | | | | | | | | |
| Internal | Monitoring Point for vario | ous flows from L | ow Volume Waste Treatment I | Pond to | Diffuser Por | nd, which ev | /entually c | lischarges throu | gh Outfal | II 101. | | | | | | | | | | | |
| Princip | al Executive Officer | | | | | | | | | | | | | | | | | | | | |
| First Na | ame: | Thomas | | Title: | | | Vic | e President | | | | | Telephon | e: | | 423-843-7 | 7001 | | | | |
| Last Na | ime: | Marshall | | | | | | | | | | | | | | | | | | | |
| No Dat | a Indicator (NODI) | | | 1 | | | | | | | | | | | | | | | | | |
| Form N | . , | | | | | | | | | | | | | | | | | | | | |
| | Parameter | | Monitoring Location | Season # | Param. NOD | 1 | | Qua | ntity or Lo | ading | | | | Qua | ality or Conce | ntration | | # | f of Ex. Frequency of | f Analysis Sam | nple Type |
| Code | Name | | | | | | Qualifier 1 | Value 1 | Qualifier 2 | 2 Value 2 | Units | Qualifier 1 | | Qualifier 2 | 2 Value 2 | Qualifier 3 | | Units | | | |
| | | | | | | Sample Permit Reg. | | | | | | = >= | 7.8 6.0 MINIMUN | 4 | | | | 12 - SU 12 - SU | 01/30 - Month 01/30 - Month | | - GRAB - GRAB |
| 00400 | рН | | IM - Internal Monitoring Point | 0 | | Value NODI | | | | | | | | | | ~- | 9.0 MAXIMOM | 12 - 30 | 01/30 - Monu | iy GR- | GRAD |
| | | | | | | Sample | | | | | | | | = | 12.9 | = | 12.9 | 19 - mg/L | 01/30 - Month | ıly GR · | - GRAB |
| 00530 | Solids, total suspended | | IM - Internal Monitoring Point | 0 | | Permit Req. | | | | | | | | <= | 30.0 MO AV | G <= | 100.0 DAILY MX | 19 - mg/L | 01/30 - Month | ly GR - | - GRAB |
| | | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | | Sample | | | | | | | | < | 4.8 | | 4.8 | 19 - mg/L | 01/30 - Month | , | - GRAB |
| 00556 | Oil & Grease | | IM - Internal Monitoring Point | 0 | | Permit Req. | | | | | | | | <= | 15.0 MO AV | G <= | 20.0 DAILY MX | 19 - mg/L | 01/30 - Month | ly GR - | - GRAB |
| | | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | | Sample | - | 1.201 | | | 03 - MGD | | | | | | | | 01/30 - Month | | INSTAN |
| 50050 | 50050 Flow, in conduit or thru tre | reatment plant | IM - Internal Monitoring Point | 0 | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 01/30 - Month | ly IN - I | INSTAN |
| | | | | | | Value NODI | | | | | | | | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. Edit Check Errors

No errors.

Comments

| Attachments | |
|----------------------------------|--------------------------------------|
| No attachments. | |
| Report Last Saved By | |
| Tennessee Valley Authority (TVA) | |
| User: | TRMARKUM |
| Name: | Travis Markum |
| E-Mail: | trmarkum@tva.gov |
| Date/Time: | 2022-05-12 11:33 (Time Zone: -05:00) |
| Report Last Signed By | |
| User: | TMCMUTUA |
| Name: | Tony McMutuary |
| E-Mail: | tmcmutuary@tva.gov |
| Date/Time: | 2022-05-13 06:23 (Time Zone: -05:00) |

| <form> Image: Im</form> | Permit | | | | | | | | | | | | | | | | |
|---|-------------------------------|----------------------------------|-------------|----------------|--------------|--|------------------|-------------------|---------------------|-----------|--------------------|-------------|--------------------------------|-------------|--|--|--|
| <table-container> N N Non-2004/2000/2000/2000/2000/2000/2000/2000</table-container> | | EN0026450 | | Bormittoo | | Toppossoo Vallov Authorit | τy (T\/Λ) | | Facility | | | | | | | | |
| | | | | | \ ddraca : | - | | | - | | | | | | | | |
| | Major: | 5 | | Permittee | Auuress: | | | | | | | | | | | | |
| <form>windyo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<yo<</form> | | | | Discharge: | | | | | | | | | | | | | |
| | Report Dates & Status | | | | | | | | | | | | | | | | |
| | Monitoring Period: | From 04/01/22 to 04/30/22 | | DMR Due D | Date: | 05/15/22 | | | Status: | | NetDMR Valid | ated | | | | | |
| | Considerations for Form Con | pletion | | | | | | | | | | | | | | | |
| | Metal Cleaning Waste Pond dis | charge. No monitoring required | d for storr | mwater deca | nting. Daily | monitoring required only during dev | watering eve | nts. | | | | | | | | | |
| | Principal Executive Officer | | | | | | | | | | | | | | | | |
| | First Name: | Thomas | | Title: | | Vice President | | | Telephone: | | 423-843-7001 | | | | | | |
| | Last Name: | Marshall | | | | | | | | | | | | | | | |
| Very line Nome Description Description Construction | No Data Indicator (NODI) | | | | | | | | | | | | | | | | |
| image Name Cualifier / Value / Cualifier / V | Form NODI: | - | | | | | | | | | | | | | | | |
| n | | Monitoring Location | Season | # Param. NODI | | | | | | | | | # of Ex. Frequency of Analysis | Sample Type | | | |
| m | Code Name | | | | | Qualifier 1 Value 1 Qualifier 2 Value 2 Ur | nits Qualifier 1 | Value 1 | Qualifier 2 Value 2 | Qualifier | 3 Value 3 | Units | | | | | |
| 30 Solids, total suspended M - Internal Monitoring Point 0 - Perma Req. - 0 0.0000 AUC VMX 19 - mgL 0.0010 - Daily CP - COMPOI 66 Oit & Gresse M - Internal Monitoring Point 0 - Sample - C - No Discharge C - No Discharge 0.0010 AUC VMX 19 - mgL 0.0010 - Daily CP - COMPOI 67 Oit & Gresse M - Internal Monitoring Point 0 - Sample - - Discharge - No Discharge - No Discharge 0.0010 - Daily CP - COMPOI 42 Copper, total [as Cu] M - Internal Monitoring Point 0 - Permit Req. - - 0.000 - V Permit Req. - - 0.000 - V 0.0 | 00400 pH | IM - Internal Monitoring Point | 0 | | | | >= | 6.0 MINIMUM | | <= | 9.0 MAXIMUM | 12 - SU | 01/01 - Daily | GR - GRAB | | | |
| 30 Solids, total sargende M-Internal Monitoring Point 0 | • | | | | Value NODI | | | C - No Discharge | | | C - No Discharge | | | | | | |
| 30 Solids, for a subjected and in the final boundaries of a subject and a subject | | | | | | | | | | | | | | | | | |
| 6 0il & Grease M - Internal Monitoring Point 0 - Parmit Rate, And | 00530 Solids, total suspended | I IM - Internal Monitoring Point | 0 | | | | <= | | | <= | | 19 - mg/L | 01/01 - Daily | CP - COMPO | | | |
| <form> 6 01 A crease 01 - hermal Montoning Point 0</form> | | | | | | | | C - No Discharge | | | C - No Discharge | | | | | | |
| o o a value Nool a c No No <th< td=""><td>00550</td><td>IM Internet Merciterian Deint</td><td>0</td><td></td><td></td><td></td><td><=</td><td>15.0 MO AVG</td><td></td><td><=</td><td>20.0 DAILY MX</td><td>19 - ma/L</td><td>01/01 - Daily</td><td>GR - GRAB</td></th<> | 00550 | IM Internet Merciterian Deint | 0 | | | | <= | 15.0 MO AVG | | <= | 20.0 DAILY MX | 19 - ma/L | 01/01 - Daily | GR - GRAB | | | |
| A2 Copper, total [as Cu) IM - Internal Monitoring Point 0 - Sample Permit Red - 10 MO AVG - 10 OALY MX 19 - mgit 01101 - Daily CP - COMPOR 45 ron, total [as Fe] IM - Internal Monitoring Point 0 - Sample Permit Red - 0 C - No Discharge C - No Discharge 0101 - Daily CP - COMPOR 45 ron, total [as Fe] IM - Internal Monitoring Point 0 - Sample Permit Red - 0 C - No Discharge C - No Discharge 0101 - Daily CP - COMPOR mission Note - Sample - - Sample - C - No Discharge C - No Discharge 0101 - Daily CP - COMPOR rons.s - - Permit Red - C - No Discharge C - No Discharge 0101 - Daily CP - COMPOR rons.s - - - Permit Red - C - No Discharge C - No Discharge - Note - - - - - - - - - - - - - - - - | 00556 Oli & Grease | IM - Internal Monitoring Point | U | | | | | | | | | | | | | | |
| Image: conjunt dial fast conjunction Image: conjunction | | | | | Sample | | | | | | | | | | | | |
| Image: | 01042 Copper, total [as Cu] | IM - Internal Monitoring Point | 0 | | Permit Req. | | <= | 1.0 MO AVG | | <= | 1.0 DAILY MX | 19 - mg/L | 01/01 - Daily | CP - COMPO | | | |
| and an antime and a second and a second a s | | | | | Value NODI | | | C - No Discharge | | | C - No Discharge | | | | | | |
| Instrume Instrum Instrume Instrume | | | | | | | | | | | | 10 11 | | | | | |
| minission Note parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. t Check Errors arrors. a | 01045 Iron, total [as Fe] | IM - Internal Monitoring Point | 0 | | | | <= | | | <= | | 19 - mg/L | 01/01 - Daily | CP - COMPO | | | |
| parameter we does not contain any values or the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. C Concerns C Concerns C Concerns C Concerns C Co | | | | | value NODI | | | C - No Discharge | | | C - No Discharge | | | | | | |
| check Errors errors. nments re has been no discharge from the Metal Cleaning Wate Pond's during the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. tchments tchments text Last Saved By re rease Valley Authority (TVA) r: TRMARKUM text Travis Markum ail: Travis Markum ail: transum@va.gov affine: 022-05-12 11:34 (Time Zone: -05:00) | | | = (2) | · | | | | | | | | | | | | | |
| ere as been nd ischarge from the Metal Cleaning the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. tere as been nd ischarge from the Metal Cleaning the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. tere as been nd ischarge from the Metal Cleaning the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. tere as been nd ischarge from the Metal Cleaning the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. tere as been nd ischarge from the Metal Cleaning the reporting period. The NPDES permit. Tere as the NPDES permit of the NPDES permit of the NPDES permit. Tere as the NPDES permit of the NPDES per | | Itain any values for the Sample | nor Effic | uent Trading, | then none | of the following fields will be submit | ted for that r | ow: Units, Numbe | er of Excursions, F | requency | of Analysis, and S | sample I | ype. | | | | |
| ments re has been no discharge from the Metal Cleaning these Ponds during the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. to the term of ter | | | | | | | | | | | | | | | | | |
| re has been no discharge from the Metal Cleaning the reporting period, other than decanted accumulated stormwater. Monitoring not required (NODI = 9) per Part I.A.3. of the NPDES permit. Incoments | | | | | | | | | | | | | | | | | |
| ichments tachments. Nort Last Saved By nessee Valley Authority (TVA) r: TRMARKUM re: Travis Markum il: Travis Markum ail: trmarkum@tva.gov jort Last Signed By | | rom the Motel Cleaning Wester | Dondo du | ring the rene | rting pariod | , other then depended ensumulated | latarmuatar | Monitoring not ro | |) nor Dor | | - C. normit | • | | | | |
| tachments. ort Last Saved By nessee Valley Authority (TVA) r: TRMARKUM ne: Travis Markum ail: tmarkum@tva.gov bort Last Signed By | | on the Metal Cleaning Waste P | Ponas au | uning the repo | nting period | | i storniwater. | wonitoning not re | equired (NODI – 9 |) per Par | I.A.S. OI THE NPDE | s permi | ι. | | | | |
| nessee Valley Authority (TVA) r: TRMARKUM ne: Travis Markum ail: trmarkum@tva.gov e/Time: 2022-05-12 11:34 (Time Zone: -05:00) | lo attachments. | | | | | | | | | | | | | | | | |
| r: CRMARKUM he: Travis Markum ail: trmarkum@tva.gov p/Time: 2022-05-12 11:34 (Time Zone: -05:00) hort Last Signed By | Report Last Saved By | | | | | | | | | | | | | | | | |
| ne: Travis Markum ail: trmarkum@tva.gov e/Time: 2022-05-12 11:34 (Time Zone: -05:00) evort Last Signed By | Tennessee Valley Authority (| ΓVΑ) | | | | | | | | | | | | | | | |
| ail: trmarkum@tva.gov e/Time: 2022-05-12 11:34 (Time Zone: -05:00) hort Last Signed By | User: | TRMA | RKUM | | | | | | | | | | | | | | |
| e/Time: 2022-05-12 11:34 (Time Zone: -05:00) | Name: | Travis | Marku | um | | | | | | | | | | | | | |
| bort Last Signed By | E-Mail: | trmark | kum@tva | a.gov | | | | | | | | | | | | | |
| | Date/Time: | 2022-0 | 05-12 11 | 1:34 (Time 2 | Zone: -05:00 | 0) | | | | | | | | | | | |
| r: TMCMUTUA | Report Last Signed By | | | | | | | | | | | | | | | | |
| | User: | TMCN | /UTUA | | | | | | | | | | | | | | |

Tony McMutuary Name: E-Mail: tmcmutuary@tva.gov 2022-05-13 06:23 (Time Zone: -05:00) Date/Time:

| Permit | | | | | | | | | | | | | | | | | | | | |
|---------|-------------------------------|-------------------------|-------------------------|--------|--------------|-----------------------|-------------|--------------------------------------|---------------------|------------|-------------|---|-------------|-------------------|----------------------------------|---------------|--------------------------------|------------------|--|--|
| Permit | #: | TN0026450 | | Perm | nittee: | | ٦ | Tennessee Valley | Authority (TVA) | | | Facility: | | TV | TVA SEQUOYAH NUCLEAR PLANT (SQN) | | | | | |
| Major: | | Yes | | Perm | | | | Sequoyah Access Soddy Daisy, TN 3 | Facility Location: | | | SEQUOYAH ACCESS ROAD SODDY DAISY, TN 37379 | | | | | | | | |
| Permitt | ted Feature: | 110 External Outfall | | Disch | | | | 110-G (no description) | | | | | | | | | | | | |
| Report | t Dates & Status | | | 1 | | | | | | | | | | | | | | | | |
| | oring Period: | From 04/01/22 to 04/30/ | 22 | DMR | Due Date: | | C | 05/15/22 | | | | Status: | | Ne | tDMR Validated | | | | | |
| | derations for Form Comple | | | ļ | | | | | | | | I | | | | | | | | |
| | 110 is closed. Only active in | | nto closed mode. | | | | | | | | | | | | | | | | | |
| | oal Executive Officer | | | | | | | | | | | | | | | | | | | |
| - | irst Name: Thomas | | | Title: | | | ١ | Vice President | | | | Telephone: | | 42 | 3-843-7001 | | | | | |
| Last Na | | Marshall | | | | | | | | | | 1 . | | | | | | | | |
| No Dat | ta Indicator (NODI) | | | l | | | | | | | | | | | | | | | | |
| Form N | | | | | | | | | | | | | | | | | | | | |
| | Parameter | r | Monitoring Location | Season | n #Param. NO | DI | | Quar | ntity or Loading | | | | Quality | or Concentration | 1 | | # of Ex. Frequency of Analysis | s Sample Type | | |
| Code | Na | me | | | | | Qualifier 1 | Value 1 | Qualifier 2 Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 Qualifier | 3 Value 3 | Units | | | | |
| | | | | | | Sample Permit Reg. | | | Reg Mon DAILY MX | 04 - dea C | | | | | | | 99/99 - Continuous | CA - CALCTD | | |
| 00010 | Temperature, water deg. c | entigrade | 1 - Effluent Gross | 0 | | Value NODI | | | C - No Discharge | or dog o | | | | | | | | 0,1 0,12010 | | |
| | | | | | | Sample | | | | | | | | | | | | | | |
| 00010 | Temperature, water deg. c | entigrade | Z - Instream Monitoring | 0 | | Permit Req. | | | | | | | | <= | 30.5 DAILY MX | 04 - deg C | 99/99 - Continuous | CA - CALCTD | | |
| | | | | | | Value NODI | | | | | | | | | C - No Discharg | ge | | | | |
| | - | | | | | Sample | | | | | | | | | | | | | | |
| 00016 | Temp. diff. between samp. | . & upstrm deg. C | 1 - Effluent Gross | 2 | | Permit Req. | | | | | | | | <= | 5.0 DAILY MX | 04 - deg C | 99/99 - Continuous | CA - CALCTD | | |
| | | | | | | Value NODI | | | | | | | | | C - No Discharg | ge | | | | |
| | | | | | | Sample Permit Reg. | | Req Mon MO AVG | Req Mon DAILY MX | 02 MCD | | | | | | | 99/99 - Continuous | RC - Recorder (a | | |
| 50050 | Flow, in conduit or thru tre | eatment plant | 1 - Effluent Gross | 0 | | Value NODI | | C - No Discharge | C - No Discharge | 03 - MGD | | | | | | | 99/99 - Continuous | RC - Recorder (a | | |
| | | | | | | Sample | | C - NO Discharge | C - NO Discharge | | | | | | | | | | | |
| 50060 | Chlorine, total residual | | 1 - Effluent Gross | 0 | | Permit Req. | | | | | <= 0.0 | 27 MO AVG | | <= | 0.047 DAILY MX | 19 - mg/L | 05/WK - Five Per Week | GR - GRAB | | |
| 50000 | chiornie, total residual | | - Endent Gloss | 0 | | Value NODI | | | | | С | - No Discharge | | | C - No Discharg | je | | | | |
| | | | | | | Sample | | | | | | - | | | | - | | | | |
| 82234 | Temperature rate of chang | ge deg. C/hr | Z - Instream Monitoring | 0 | | Permit Req. | | | | | | | | <= | 30.5 DAILY MX | 62 - deg C/hr | 99/99 - Continuous | CA - CALCTD | | |
| | | | | | | Value NODI | | | | | | | | | C - No Discharg | ge | | | | |
| | | | | | | Sample | | | | | | | | | | | | | | |
| TRP3B | IC25 Static Renewal 7 Day | Chronic Chrceriodaphnia | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | | | | | 23 - % | 01/30 - Monthly | GR - GRAB | | |
| | | | | | | Value NODI | | | | | C | - No Discharge | | | | | | | | |
| TRRGG | | | | 0 | | Sample Permit Reg. | | | | | >= 69. | 0 MINIMUM | | | | 23 - % | 01/30 - Monthly | GR - GRAB | | |
| IRP6C | C IC25 Static Renewal 7 Day | Chronic Chrpimephales | 1 - Effluent Gross | 0 | | Value NODI | | | | | | - No Discharge | | | | 20 /0 | o noo monuny | | | |
| | ssion Note | | | | | Value NODI | | | | | C | No Discharge | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors**

No errors.

Comments

Attachments No attachments. Report Last Saved By Tennessee Valley Authority (TVA) User: TRMARKUM Name: Travis Markum E-Mail: trmarkum@tva.gov Date/Time: 2022-05-12 11:34 (Time Zone: -05:00)

| Report Last Signed By | |
|-----------------------|--------------------------------------|
| User: | ТМСМИТИА |
| Name: | Tony McMutuary |
| E-Mail: | tmcmutuary@tva.gov |
| Date/Time: | 2022-05-13 06:23 (Time Zone: -05:00) |

| Permit | | | | | | | | | | | | | | | | | | | | |
|----------|--|-----------------------|-----------------------------------|----------|------------|-----------------------|-------------|------------------|----------------------------------|--------------------------|----------|-------------|------------------|---|---------------------|------------------|-----------|-----------|--------------------------|--------------|
| Permit | #• | TN0026450 | | | Permit | too: | | Tennesse | e Valley Auth | pority $(T \setminus A)$ | | | Facility: | | T\/Δ | SEQUOYAH NU | | ρί δητ (9 | | |
| Major: | | Yes | | | | | | | | | | | - | Facility Location: SEQUOYAH ACCESS ROAD | | | | | | |
| wajor. | | 165 | | | Permit | remittee Address. | | | Soddy Daisy, TN 37379 | | | | Facility | SODDY DAISY, TN 37379 | | | | | | |
| Permitt | | 118 External Outfa | all | | Discha | Discharge: | | | 118-G (no description) | | | | | | | | | | | |
| Report | Dates & Status | | | | | | | | | | | | | | | | | | | |
| Monito | Ionitoring Period: From 04/01/22 to 04/30/22 | | | | DMR D | ue Date: | | 05/15/22 | | | | | Status: | | Net | DMR Validated | | | | |
| Consid | erations for Form Compl | letion | | | • | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Princip | al Executive Officer | | | | | | | | | | | | | | | | | | | |
| First Na | ame: | Thomas | | | Title: | | | Vice Pres | ident | | | | Telephor | Telephone: 423-843-7001 | | | | | | |
| Last Na | ame: | | | | | | | | | | | | | | | | | | | |
| No Data | a Indicator (NODI) | | | | | | | | | | | | | | | | | | | |
| Form N | IODI: | | | | | | | | | | | | | | | | | | | |
| | Parameter | | Monitoring Location | Season # | Param. NOD | | | | ntity or Loadin | - | | | | | Concentration | | | # of Ex. | Frequency of Analysi | s Sample Typ |
| Code | Name | | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 Qualifier 3 | 3 Value 3 | Units | | | |
| 00000 | Owners discolored (DO) | | 1 Efferent Orace | 0 | | Sample Permit Reg. | | | | | | >= | 2.0 MINIMUM | | | | 19 - mg/L | C | 2/07 - Twice Every Wee | ek GR - GRAB |
| 00300 | Oxygen, dissolved [DO] | | 1 - Effluent Gross | 0 | | Value NODI | | | | | | | C - No Discharge | | | | | | | |
| | | | | | | Sample | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | | | | <= | 100.0 DAILY MX | 19 - mg/L | C | 2/07 - Twice Every Wee | ek GR - GRAB |
| | | | | | | Value NODI | | | | | | | | | | C - No Discharge | | | | |
| | | | | | | Sample | | | | | | | | | | | 05 1 / | | 4/00 M (1) | 00.0040 |
| 00545 | Solids, settleable | | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | | | | <= | 1.0 DAILY MX | 25 - mL/L | . (| 1/30 - Monthly | GR - GRAB |
| | | | | | | Value NODI | | | | | | | | | | C - No Discharge | | | | |
| | 50050 Flow, in conduit or thru treatm | | | | | Sample Permit Reg. | | Reg Mon MO AVG | Re | eq Mon DAILY MX | 03 - MGD | | | | | | | C | 1/BA - Once Per Batch | ES - ESTIM |
| 50050 | | | atment plant 1 - Effluent Gross 0 | 0 | | Value NODI | | C - No Discharge | | C - No Discharge | 00 - MOD | | | | | | | | And the Onice F of Balon | |
| | | | | | | | | C No Disonarge | | - no bissinarge | | _ | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. Edit Check Errors

No errors.

Comments

| Attachments | |
|----------------------------------|--------------------------------------|
| No attachments. | |
| Report Last Saved By | |
| Tennessee Valley Authority (TVA) | |
| User: | TRMARKUM |
| Name: | Travis Markum |
| E-Mail: | trmarkum@tva.gov |
| Date/Time: | 2022-05-12 11:35 (Time Zone: -05:00) |
| Report Last Signed By | |
| User: | TMCMUTUA |
| Name: | Tony McMutuary |
| E-Mail: | tmcmutuary@tva.gov |
| Date/Time: | 2022-05-13 06:23 (Time Zone: -05:00) |
| | |